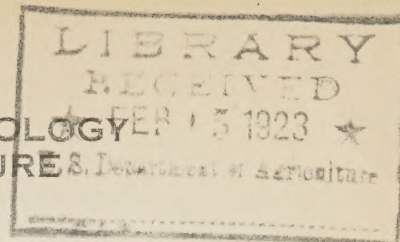


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MONTHLY LETTER OF THE BUREAU OF ENTOMOLOGY
UNITED STATES DEPARTMENT OF AGRICULTURE



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FOREST INSECT INVESTIGATIONS

A. D. Hopkins, Forest Entomologist in Charge

Dr. T. E. Snyder attended the meetings of the American Association for the Advancement of Science at Boston, where he delivered an address at the Symposium on "Adaptations" before the Entomological Society of America. His subject was "Adaptations to Social Life (Isoptera)." Returning to Washington by way of New York, on January 2, he inspected some hura wood and mahogany logs in the yards of a large importing firm on Long Island, which had been badly damaged by ambrosia beetles. Methods of preventing this loss, as outlined in an article in the Christmas (1922) number of the Southern Lumberman, entitled "Insect Injury to Green Logs and Lumber and Methods of Preventing this Loss," are generally being followed by American importing companies in the Tropics.

On January 16 to 17 Doctor Snyder investigated an outbreak of the southern pine beetle on the eastern shore of Virginia in Accomac and Northampton Counties. There is a fine stand of loblolly pine on the eastern shore, and a serious outbreak of the southern pine beetle has just begun. An address was delivered to the timber owners, followed by instructions in the forest; owners are planning community action to follow out the methods recommended, which should prevent further damage.

William Middleton returned to Washington on January 18 after a short trip to Columbus, Ga., for the purpose of investigating the conditions of the sugarberry shade trees of that city, which are infested by scale insects, and advising the municipal authorities regarding methods of control.

BEE CULTURE INVESTIGATIONS

E. F. Phillips, Apiculturist in Charge

Dr. E. F. Phillips attended the meeting of the Maryland State Beekeepers' Association at Frederick on January 10, that of the New Jersey State Beekeepers' Association at Trenton on January 18 and 19, and that of the Pennsylvania State Beekeepers Association at Harrisburg on January 24 and 25. He also spoke before the Brooklyn Institute of Arts and Sciences on "Bees and Beekeeping" on January 13.

E. L. Sechrist attended the meeting of the Northern Virginia Beekeepers' Association at Herndon on January 26.

E. W. Atkins, formerly field assistant, visited the Bee-Culture Office on January 20. Mr. Atkins is now with the G. B. Lewis Company, manufacturers of beekeeping supplies.

A short course in beekeeping was held at Purdue University from January 29 to February 1, which was attended by Dr. E. F. Phillips. On the evening of February 1 he addressed the Society of the Sigma Xi and the Biological Club of the University on "Beekeeping Investigations and their Application." From La Fayette, Ind., he will go to Columbus, Ohio, to attend the annual meeting of the Ohio State Beekeepers' Association, February 1 to 3, and from there to the annual meeting of the American Honey Producers' League at St. Louis, Feb. 6 to 8. At the League meeting there will be a discussion of the definition of the color grades for extracted honey, on which the Bureau of Entomology has been working for several months in cooperation with the Bureau of Agricultural Economics. There is also scheduled an informal discussion of the regulations to be adopted under the Act of August 31, 1922, regarding the importation of adult bees.

CEREAL AND FORAGE INSECT INVESTIGATIONS

W. R. Walton, Entomologist in Charge

The field leaders in the Hessian fly investigations conferred in Washington on January 3. Those in attendance were W. H. Larrimer, W. B. Cartwright, A. F. Satterthwait, J. R. Horton, C. C. Hill, C. M. Packard, J. S. Wade, and W. R. Walton. P. R. Myers and W. J. Phillips were prevented from attending by illness. The conference, as usual, yielded valuable results in the coordination of methods and effort.

C. C. Hill visited Washington recently en route to Raleigh, N. C., where he consulted Dr. L. W. Leiby, who is collaborating with him in the study of Hessian fly parasites.

A. F. Satterthwait, in charge of the Webster Groves, Mo., station, recently broadcasted a lecture from St. Louis, Mo., telling of the function of the Webster Groves station and its relation to the agriculture of the region. This was part of a series of talks arranged by the local U. S. D. A. Club with a view to popularizing the work of the department.

F. W. Poos, in charge of the Sandusky, Ohio, corn-borer laboratory, will shortly visit Charlottesville, Va., for the purpose of assisting in the preparation of a paper on the parasites of the jointworms.

D. J. Caffrey, in charge of the corn-borer research activities, recently prepared material for exhibition at the meeting of the National

Canners' Association held at Atlantic City, N. J., during the latter half of the month. He has furnished similar material for exhibit by the entomologists of Illinois, Kansas, and other States. The fine exhibit shown in Cambridge during Convocation Week was arranged under the direction of D. J. Caffrey and L. H. Worthley.

FRUIT INSECT INVESTIGATIONS

A. L. Quaintance, Entomologist in Charge

The bureau's laboratory at Wallingford, Conn., has been discontinued and Dr. B. A. Porter has been transferred to Vincennes, Ind., where, in cooperation with the Purdue University Agricultural Experiment Station, investigations will be undertaken of the more important fruit insects of southern Indiana.

W. D. Whitcomb, who has been connected with apple insect investigations at Yakima, Wash., has been transferred to New Orleans, La., and will be associated with Dr. H. L. Dozier in investigations of the camphor scale.

C. A. Weigel has been temporarily assigned to New Orleans, La., to conduct fumigation investigations in the treatment of nursery and florist stock infested with the camphor scale. He will return to Washington in the course of two or three weeks.

The laboratory at Medford, Oreg., has been discontinued, and M. A. Yothers, who has been in charge of this station, has been transferred to the bureau's laboratory at Yakima, Wash., where he will be associated with E. J. Newcomer in the continuation of fruit insect investigations of that region.

TRUCK-CROP INSECT INVESTIGATIONS

F. H. Chittenden, Entomologist in Charge

J. E. Dudley, Jr., assistant entomologist, stationed at Madison, Wis., recently visited the Bureau of Entomology in connection with making arrangements for the proposed campaign against the pea aphid for the coming calendar year. Mr. Dudley was en route to the National Canners' Association Convention at Atlantic City, N. J., January 22-26, 1923, where he presented an interesting paper outlining the plans of the department undertaking work against the pea aphid in Wisconsin and other portions of the United States, in cooperation with State entomologists and representative canners.

C. H. Popenoe, entomologist, Truck-Crop Insect Investigations, recently attended the convention of the National Cannery Association at Atlantic City, N. J., January 22-26, 1923, having charge of the Bureau of Entomology exhibit on the European corn borer, Japanese beetle, pea aphid, and other truck-crop insects. A profitable contact was established with many representative cannerymen who had encountered insect problems in connection with the production and preservation of their crops. The exhibit and demonstration was well attended by delegates to the cannerymen's and associated conventions, and it is believed that it has more thoroughly exemplified the service which the Department of Agriculture is attempting to offer to the various specialized agricultural industries of the country.

The Australian tomato weevil (Desiantha nociva Lea) has been found to be established at a number of points along the coast of Mississippi in addition to the previous inland infestation. It is now reported from five distinct places in Harrison County, two in Stone County, and one in Jackson County. This indicates that the original introduction occurred presumably at an earlier date than was heretofore supposed.

H. B. Lancaster, junior entomologist, working on the Mexican bean beetle problem in Alabama for the past two years, resigned to engage in commercial business.

F. R. White, plant quarantine inspector, working on the sweet-potato weevil in Mississippi, has resigned to accept a commercial position.

W. W. Porter has been appointed as agent in connection with the sweet-potato weevil eradication work in the State of Mississippi, in cooperation with the State Plant Board.

Torbert Slack has been appointed as collaborator in connection with the sweet-potato weevil eradication work in Louisiana, in cooperation with the State Plant Board.

J. A. McLemore has been appointed as agent in connection with the sweet-potato weevil eradication work in Mississippi, in cooperation with the State Plant Board, to take the place of F. R. White, resigned.

SOUTHERN FIELD-CROP INSECT INVESTIGATIONS.

J. L. Webb, Entomologist Acting in Charge

Dr. W. V. King, in charge of the investigations of the bureau on malaria mosquitoes at Mound, La., attended the Malaria Conference held at Johns Hopkins University in Baltimore, during January. Doctor King will remain in Baltimore for several weeks working up malaria and mosquito statistics.

LIBRARY

Mabel Colcord, Librarian

New Books

- Altson, A. M. Beetles damaging seasoned timber. London, William Rider & Son, Ltd., 1922. 24 p., illus. Reprinted from The Timber Trades Journal, April 15 to May 13, 1922.
- Anderson, O. G., and Roth, F. C. Insecticides and fungicides--spraying and dusting equipment. New York, John Wiley & Sons, 1922. 337 p.
- Bondar, Gregorio. Cacao a cultura e as pragas do cacoeira no Estado da Bahia, Brazil. Conferencia proferida n dia 22 de Outubro de 1921 no Sindicato dos agricultores de cacao... Bahia, Imprensa Official do Estado, 1922. 68 p., illus.
- Bondar, Gregorio. Insectos damminos e molestias do coqueiro (Cocos nucifera) no Brasil... Bahia, Imprensa Official do Estado, 1922. 111 p., illus.
- Evans, William. Notes on the wood-wasps (Sirex) occurring in Scotland; with special reference to their present day distribution. In Scottish Naturalist, Nos. 131-132, p. 175-189, November - December, 1922.
- Hudson, W. H. The Naturalist in La Plata... illustrated by J. Smit. (6th ed.) New York, E. P. Dutton & Co., 1922. 394 p., illus., pl.
- Illingworth, J. F. Natural enemies of sugar-cane beetles in Queensland. Brisbane, 1921. 47 p., 3 pl. (Queensland Sugar Experiment Station Div. Ent. Bul. 13.)
- Kaltenbach, Anton. Die bienenzucht... (n. p.) M. Bladbach, Volksvereinsverlag, gmbh., 1921. 92 p., illus. (On cover; Haus und hof.)
- Lavier, Georges. Les parasites des invertébrés hematophages parasites qui leur sont propres, parasites qu'ils transmettent aux vertébrés. Paris, Vigot frères, editeurs, 1921. 218 p. (Travail du Laboratoire de parasitologie de la Faculté de medicine de Paris.) Bibliographie, p. 173-207.
- Mims, W. J. Boll weevil control with syrup (or molasses) and calcium arsenate. (Ensley, Ala., 1922) 15 p.
- Marumo, Nobukatsu. A revision of the Notodontidae of Japan, Corea, and Formosa with descriptions of 5 new genera and 5 new species. In Journal of the College of Agriculture Imperial University of Tokyo, v. 6, no. 4, p. 273-359, p. xxii-xxix, November 20, Taisyō IX (1920).

- Okamoto, Hanjaro. Life histories of injurious and beneficial insects in Hokkaido. Sapporo, Oct., 1921. (92) p., 6 col. pl. (Hokkaido Agr. Expt. Station, Sapporo, Japan, Report No. 12.)
- Paoli, Guido. Una missione nell'isola di Madera per raccogliere il parassita del Chrysomphalus dictyospermi Morgan. In Nuovi annali del Ministero per l'agricoltura (Italy) v. 2, no. 3, p. 407-416, September 30, 1922.
- Schøyen, T. H. Beretning om skadeinsektenes optreden i land-og havebruket i arene 1920 og 1921. Kristiania, Grøndahl & Sons, boktrykkeri, 1922. 28 p., illus.
- South Carolina Boll Weevil Commission. Boll weevil, Report of the South Carolina Boll Weevil Commission, Richard L. Manning, chairman. Prepared by Walter M. Riggs. Washington, Government Printing Office, 1921. 22 p. (Cong. 67, Sess. 1, Senate Doc. 76.)
- Speyer, Walter. Die muskulatur der larve von Dytiscus marginalis L. Ein beitrag zur morphologie des insektenkörpers. In Zeitschrift für wissenschaftliche Zoologie, Bd. 119, hft. 4, p. 423-492, illus., pl. vii, Sept. 19, 1922. Verzeichnis der benutzten literatur, p. 489-490.

